

AMENDMENTS TO THE SPECIFICATION

The specification has been amended as follows:

Page 1

The paragraph at lines 9-15 has been amended as follows:

In general, an electronic flash apparatus of a camera ~~is using~~uses a xenon tube as a light source. However, the electronic flash apparatus using the xenon tube as the light source has a drawback that strobing with a slow shutter is not possible because it can only emit instantaneous light of a few milliseconds or so. It also has a drawback that, as the xenon tube has a spectral characteristic close to daylight color, a photo of unnatural tone is made if strobing for the sake of back light correction is performed in the morning or in the evening.

Page 2

The paragraph at lines 6-9 has been amended as follows:

The present invention has been implemented in consideration of such circumstances, and ~~an object thereof is to provide~~provides a lighting apparatus, an electronic flash ~~apparatus and~~apparatus, and a camera capable of effectively using as the illumination light the light from the LED used as a light source and irradiating the light in a wide range.

The paragraph at lines 10-17 has been amended as follows:

In order to attain the above described object, the first aspect of the present invention provides a ~~lightning~~-lighting apparatus comprising a reflecting surface for reflecting the light, formed on a circuit board, an LED light source for emitting illumination light with a light-emitting diode, mounted on a part of the above described reflecting surface, and a reflector for reflecting ahead the light emitted from the above described LED light source, mounted on the above described circuit board so as to surround the above described LED light source and have the opened rear thereof closed by the above described reflecting surface.

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The paragraph at lines 3-8 has been amended as follows:

The second aspect of the present invention provides a ~~lightning~~-lighting apparatus having an LED light source for emitting the illumination light with a light-emitting diode, and the reflector for reflecting ahead the light emitted from the above described LED light source, the above described reflector placed so as to surround the rear side and side surface side of the above described LED light source, and the above described LED light source is placed clear of an internal reflecting surface of the above described reflector.

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The heading at line 20 has been amended as follows:

DETAILED DESCRIPTION OF THE ~~PREFERRED EMBODIMENTS~~INVENTION

Pages 5-6

The paragraph beginning on page 5, line 26 and ending on page 6, line 2 has been amended as follows:

This camera 1 is a digital camera for converting an optical image of a subject into a digital signal by using a CCD and recording it on a recording medium. A taking lens 3, a finder window 4, a ~~electron~~an electronic flash apparatus 5, a ~~electron~~an electronic flash dimmer window 6 and so on are provided at the front of a camera body 2 thereof, and a release button 7, a power switch 8 and so on are provided on the top surface. ~~And a finder~~A finder eye piece, a liquid crystal monitor, various operation buttons and so on are provided on the rear of the camera body 2 although not shown.

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The paragraph at lines 9-14 has been amended as follows:

As shown in Fig. 5, the light emitted from the LED (chip) of the chip LED 10 as the light source passes through the diffusion plate 14 first so as to be diffused and converted into predetermined color temperature. ~~And the light~~The light source having passed through the diffusion plate 14 passes through the concave lens 16 so as to be radially expanded and flooded ahead. Thus, it is possible to irradiate in a wide range the light from the LED emitted as a point source and strongly oriented.

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The paragraph at lines 1-6 has been amended as follows:

As shown in a side sectional view in Fig. 8, holes 54 and 56 ~~penetrating through~~ which two lead terminals 52 of the LED lamp 10A ~~respectively~~ 10A penetrate respectively are formed on the rear (bottom face) of the circuit board 18 and the reflector 12A. The two lead terminals 52 of the LED lamp 10A are inserted into the holes 54 and 56 and soldered on the rear of the circuit board 18 so that the LED lamp 10A is mounted on the circuit board 18 and is electrically connected to the strobing circuit.

The paragraph at lines 23-29 has been amended as follows:

As shown in Fig. 9, ~~a electronic~~ an electronic flash apparatus 30 according to this embodiment is equivalent to the electronic flash apparatus 5 in the above-mentioned first embodiment holding the concave lens 16 placed in front of the light source movable back and forth along an optical axis, which renders an irradiation angle of the light irradiated from the electronic flash apparatus variable. The same components as those of the electronic flash apparatus 5 in the above-mentioned embodiment will be given the same symbols, and a description thereof will be omitted.

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The paragraph at lines 5-9 has been amended as follows:

The guide portion 36 has a guide hole 36A formed along an optical axis L of the concave lens 16, and a guide bar 40 placed along the optical axis L is inserted into the guide hole 36A. The guide bar 40 is fixed by an unshown frame placed in the camera body. ~~And the guide~~The guide portion 36 slides along the guide bar 40 so that the concave lens 16 moves back and forth along the optical axis L in front of the light-emitting portion 9.

The paragraph at lines 10-15 has been amended as follows:

The nut portion 38 has a screw hole 38A formed along the optical axis L of the concave lens 16, and a screw bar 42 placed along the optical axis L is screwed into the screw hole 38A. The screw bar 42 is linked to an output axis of a motor 44 placed in the camera body, and is rotated by driving the motor 44. ~~And the nut~~The nut portion 38 moves along the screw bar 42 as the screw bar 42 is rotated so that the concave lens 16 thereby moves back and forth along the optical axis L.